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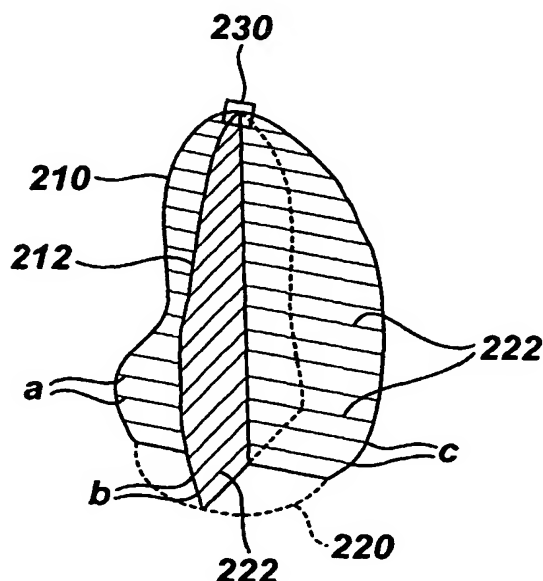
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[Continued on next page]

(54) Title: **ULTRASONIC CARDIAC VOLUME QUANTIFICATION**



(57) Abstract: Quantified measures of a volumetric object in the body can be made ultrasonically by acquiring concurrent biplane images of two different image planes (210, 214) of the object. Corresponding borders of the volumetric object are traced using automatic border detection. The border tracings are used in their planar spatial relationship to compute a graphical model (220) of the volumetric object. The volume of the graphical model (220) may be computed by the rule of disks, and a graphical or numerical display of the changing volume with time displayed. A user interface comprises both real time biplane images, the real time graphical model (220), and the quantified measures.



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